

Nasuni for Gaming Studios



NASUNI AT A GLANCE

Unlimited file storage backed by cloud object storage

Optimized for large game build files

Near-zero cloud latency for end users

Global file synchronization and file lock

Built-in backup with unlimited snapshots

Extensive file protocol support

Disaster recovery in minutes

Nasuni Provides the Best Cloud File Solution for the Booming Gaming Industry

The global gaming market is expected to grow to \$257B by 2025 from \$151B in 2020 pushing game studios to continually strive to enhance gamer's experience more rapidly than their competitors by launching new games and extending existing franchises. Complicating their mission is needing to support multiple, diverse consoles and platforms, such as Sony PlayStation, Microsoft Xbox, Nintendo Switch, and Windows PC, along with mobile devices.

While well-known code management tools exist for developers to check-in and check-out code segments, challenges exist for distributing large ISO game builds or compressed build artifacts quickly and efficiently to remote locations for testing, slowing down the entire development process. These challenges impact distributed teams, including contracted teams, that may be located a half a globe away trying to adapt to follow-the-sun software development methodologies. Additionally, collaborating on large 'unstructured' game concept files, designs, and prototypes requires cumbersome synching tools, which can slow down the initial ideation process.

Complicating their mission is **needing to support multiple, diverse consoles and platforms**, such as Sony PlayStation, Microsoft Xbox, Nintendo Switch, and Windows PC, along with mobile devices.

Nasuni Cloud File Storage

Nasuni backed by Amazon Web Services (AWS), Microsoft Azure, or Google Cloud replaces on-site file servers that need continual maintenances, backup, and synchronizing to remote locations. Nasuni provides cloud file storage specifically optimized for large, packaged files such as ISO images, compressed archives, and other development distributions along with other unstructured files required to bring a new game to market. By moving files out of legacy file servers and into a cloud solution, game studios will have infinitely scalable, dynamic cloud file storage to meet the demands of the largest gaming builds and production pipelines, accelerating development and shortening QA cycles. Nasuni's built-in backup, archive, and disaster recovery capabilities protect the intellectual property of game studios.



Nasuni backed by object storage replaces on-site file servers that need continual maintenances, backup, and synchronizing to remote locations specifically optimized for large packaged files.

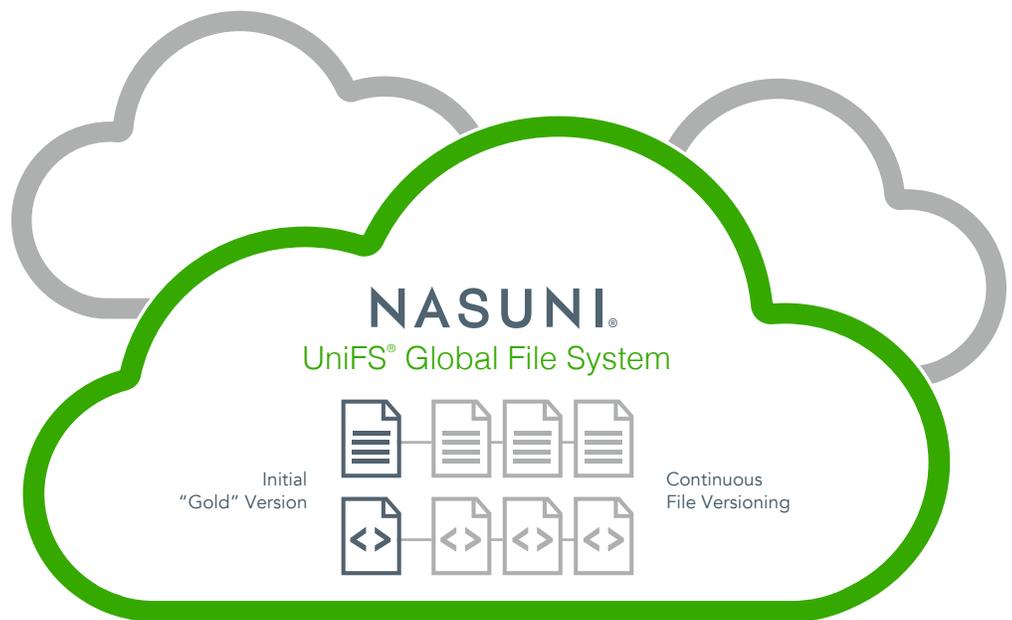


Nasuni provides a single, consolidated global file system that **creates a seamless project handoff across development** teams located anywhere in the globe, enabling game studios with a follow-the-sun software development methodology to stay competitive.

Game Design Collaboration

Storing unstructured files and ISO game builds on local file servers is inefficient for working with distributed teams, creating silos of files that are difficult to share and synchronize. With Nasuni and the global coverage of public cloud providers, game-build pipeline files efficiently propagate to object storage to become a 'gold copy' and available everywhere teams are located.

Nasuni provides a single, consolidated global file system that creates a seamless project handoff across development teams located anywhere in the globe, enabling game studios with a follow-the-sun software development methodology to stay competitive. In addition to ISO game builds, all types of files, including large 'unstructured' game concept files, designs, and prototypes can be stored, shared, and protected in Nasuni.



Easily Integrate Full-Time and Contracted Teams Anywhere in the World

Due to the booming gaming market, game studios are rushing to bring new games to market, requiring them to bring in developers from around the world, partnering with other game studios, and hiring short-term contractors. But getting these teams 'plugged-in' and given access to the files they need can take days, even weeks to connect all the technical pieces. With Nasuni, onboarding additional studio resources is as simple as providing access to the ever-present global file system giving access to only the files they need in a fraction of the time.

With Nasuni and the global coverage of public cloud providers, game-built pipeline **files efficiently propagate to object storage** to become a 'gold copy' and be available everywhere terms are located.



Nasuni is backed by the scalability of cloud object storage to provide **unlimited capacity to an unlimited number of sites and users.**

Unique Features & Architecture

Unlimited File Storage

Nasuni is backed by the scalability of cloud object storage to provide unlimited capacity to an unlimited number of sites and users. It eliminates the need to ‘second guess’ capacity requirements for any one location or application and adapt seamlessly and quickly to changes on-demand for file storage, by simply increasing object cloud storage and Nasuni subscription.

Near-Zero Cloud Latency for End Users

Nasuni’s extremely efficient virtual edge appliances provide up to a 98% cache hit rate, giving users and applications LAN-speed access to files. Because edge appliances can run on existing hyperconverged and virtual infrastructure backed by existing SSD storage, many customers see an improvement in file access speed over legacy file servers. Even better, Nasuni Edge Appliances reduce the footprint for file storage up to 90%, lowering costs and eliminating time spent managing local file servers.

Optimized for Large Game-Build Files

Nasuni Edge Appliances are optimized for transferring very large ISO distributions and other game development files, from fast cache to the cloud. Data is encrypted, compressed, and uniquely deduplicated before moving to the cloud in multi-threaded, parallel transfers. Data movement and collaboration are greatly accelerated, and cloud storage costs are kept to a minimum while files remain protected in immutable cloud storage. This means end users always experience fast, local, and secure access to gaming files from wherever and whenever they need it.

Nasuni Edge Appliances are **optimized for transferring very large ISO distributions** and other game development files, from fast cache to the cloud.





Global File Synchronization and File Lock

File synchronization and global file locking for unstructured team sharing are provided by an automated, no-maintenance Nasuni cloud orchestration center that can synchronize millions of file changes per hour and prevent file conflict across thousands of users. The result is the ability to share files with teammates wherever in the world they work while still retaining “ownership” control of the file.

Infinite Backup

Nasuni Continuous File Versioning® makes file backup more frequent and automatic. ‘Snapshots’ of artist’s files are taken every 15 minutes, so nothing is ever lost, and a file can be restored to any point-in-time with the click of a mouse. You can take and store a nearly infinite number of snapshots, and when needed, dial back to a particular RPO. This makes Nasuni an ideal component to a ransomware mitigation strategy.

15-Minute Disaster Recovery

It’s easy to restore file access for one or more sites following a disaster thanks to Nasuni’s built-in disaster recovery capability. Nasuni not only stores “gold copies” of files in the cloud in immutable read-only format, it also stores configuration and user data for each site there too. Simply set up a new edge appliance in any safe site or the cloud, and within 15 minutes users can begin accessing their files. Meanwhile, Nasuni’s cloud architecture ensures the rest of your organization operates normally with no loss of access to any files.

Extensive Protocol Support

Nasuni supports access to files through standard SMB (CIFS), NFS, FTP/SFTP, HTTPS file sharing protocols. Mixed client environments with MacOS, Linux, and Windows machines are supported. Nasuni’s advanced support for extended MacOS file attributes and metadata allows for easy file sharing across environments.



ABOUT NASUNI CORPORATION

Nasuni Corporation is a leading provider of file data services. The Nasuni file data services platform is a cloud-native replacement for traditional network attached storage (NAS) and file server infrastructure, consolidating file data in easily expandable cloud object storage at a fraction of the cost. Nasuni also eliminates the need for complex legacy file backup, disaster recovery, remote access, and file synchronization technologies, dramatically simplifying IT administration and enhancing worker productivity. Organizations worldwide rely on Nasuni to easily access and share file data globally from the office, home or on the road. Sectors served by Nasuni include manufacturing, construction, creative services, technology, pharmaceuticals, consumer goods, oil and gas, financial services, and public sector agencies. Nasuni’s corporate headquarters is based in Boston, Massachusetts, USA delivering services in over 70 countries around the globe. For more information, visit www.nasuni.com.